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This work describes a new pre-processing step to classify **facial** expression. F works suggest that Gabor wavelets applied to recognize **facial** expression image subtracted from **neutral face** from the same subject could achieve good recognize the controlled condition as eye and month alignment. We propose a recognize system where the Gabor kernels are applied on **facial** expression subtracted averaged **neutral face**. A fast pre-processing technique that generates a small dimension output data is also proposed. A correct recognition rate of 86.6% is in a 7 upper **face** actions and 81.6% in a 7 lower **face** actions **detection** proposed a neural network based classifier. The performance is evaluated in a heteroge subject database with head motion and lighting variations.

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